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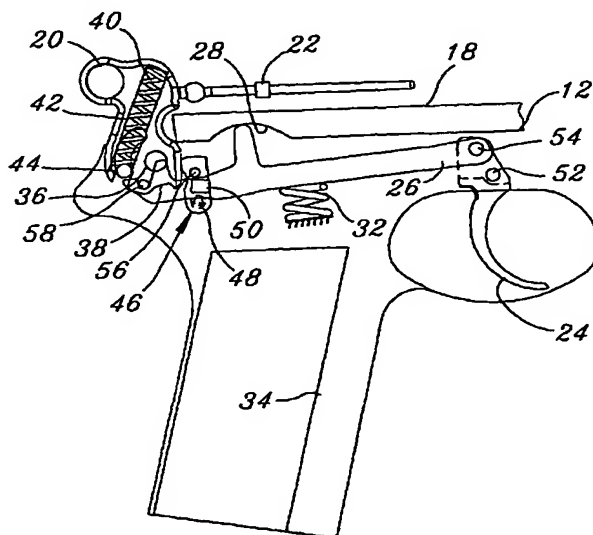
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(54) Title: DOUBLE ACTION, HAMMER TRIGGER MECHANISM FOR A FIREARM



(57) Abstract: Double action, hammer trigger mechanism for a semi-automatic firearm (10) with a spring loaded slide (12) having a cam surface (28), a pivoting sear (46) to hold the hammer (20) in a cocked position and a transfer bar (26) connected to a pivot pin (54) on the trigger (24). The transfer bar has a cam finger (30) to move the transfer bar down when the slide moves in a rearward direction during firing. When the sear is holding the hammer cocked, a second finger (62) on the transfer bar is arranged to engage a single action let-off pin (56) on the sear and pivot the sear when the trigger is pulled so as to release the hammer. The cam finger also moves the transfer bar down when the slide is stationary and the trigger is operated. The transfer bar has a notch (60) receiving a double action let-off pin (58) on the hammer to cause the transfer bar to pivot the hammer in a cocking direction as the trigger is pulled.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30290

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F41A 19/44, 19/48

US CL : 42/69.03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 42/69.03, 65; F41A 19/12, 19/14, 19/42, 19/44, 19/47, 19/48

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,722,358 A (SBECAMP) 27 March 1973 (27.03.1973), column 3 line 21-column 9 line 51.	1-6
A	US 2001/0042332 A1 (GERING et al) 22 November 2001 (22.11.2001).	
A	US 5,400,537 A (MELLER et al) 28 March 1995 (28.03.1995).	
A	US 5,426,880 A (RUGER et al) 27 June 1995 (27.06.1995).	
A	US 4,428,138 A (SEECAMP) 31 January 1984 (31.01.1984).	
A	US 5,216,195 A (TUMA) 01 June 1993 (01.06.1993).	
A	US 5,386,659 A (VAID et al) 07 February 1995 (07.02.1995).	
A	US 4,275,640 A (WILHELM) 30 June 1981 (30.06.1981).	
A	US 6,457,271 B1 (VAID et al) 01 October 2002 (01.10.2002).	



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INTERNATIONAL SEARCH REPORT

PCT/US03/30290

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 550238 A1 (MELLER et al) 07 July 1993 (07.07.1993).	

INTERNATIONAL SEARCH REPORT

PCT/US03/35

Continuation of B. FIELDS SEARCHED Item 3:
USPAT, US-PGPUB, EPO, JPO, DERWENT
search terms: firearm, pistol, double, action, transfer, trigger, bar